

REMARKS

In accordance with the foregoing, claim 17 has been amended. No new matter is being presented, and approval and entry are respectfully requested. Claims 1, 4-6, 17, and 27-29 are pending and under consideration. Reconsideration is respectfully requested.

REJECTIONS UNDER 35 U.S.C. § 103

Claims 1, 17, and 27-29 are rejected under 35 U.S.C. § 103(a) as being unpatentable over Vancelette (U.S. Patent No. 5,894,320) in view of Morrison (U.S. Patent No. 5,900,915).

Claim 1 recites, among other features "displaying on the digital television minor channel numbers received through the demanded major channel."

The Office Action acknowledges that Vancelette fails to disclose "displaying on the digital television minor channel numbers received through the demanded major channel."

Morrison discusses "the present invention is best described with reference to the following example, referring to FIG. 2 the viewer is currently watching 'Seinfeld' on channel 105A. By pressing the appropriate key on a keypad entry system, such as a remote control, the EPG display is shown with 'Seinfeld' highlighted. When the viewer presses the right arrow key or its equivalent the EPG display changes to that shown in FIG. 3 and 'Terminator 2: Judgement Day' is now highlighted." (see col. 3, lines 50-55 of Morrison).

As noted above, In a TV system combining a HDTV scheme and an SDTV scheme, one channel is used to provide a low-definition program and a plurality of channels are used to provide a high-quality program. In this context, Morrison is intended to effectively deliver information related to such channel uses to a user display of an EPG.

When the high-quality program is provided using the plurality of channels, Morrison displays by integrating cell regions into one integrated cell, each of the cell regions displays information of each of the plurality of channels during the EPG display. For example, in FIG. 2, "TERMINATOR2:JUDGEMENT DAY" corresponds to channels 105A and 105D.

As such, Morrison, particularly FIG. 2 thereof, describes how to display EPG data and fails to disclose the foregoing features of the claimed invention.

Moreover, the channels 105A to 105D are not minor channels for a certain channel. The channels 105A to 105D may be individually used as independent channels or may be used as a single channel according to the data size of a transmission program.

Accordingly, a feature of selecting and viewing the channel 105A by a viewer is different from the feature of "displaying on the digital television minor channel numbers received through the demanded major channel" disclosed in the claimed invention.

It is noted that EPG data is transmitted through specific channels but not transmitted through the demanded major channel.

Thus, Morrison fails to disclose "minor channel numbers received through the demanded major channel" as recited in claim 1.

As such, it is respectfully submitted that the combination of Vancelette and Morrison does not teach or suggest the invention as recited in claim 1.

Claim 17 recites "a display to display, as a viewing program, a program of a minor channel received through the selected major channel and minor channel number received through the selected major channel."

Again, Morrison fails to disclose "minor channel numbers received through the selected major channel" as recited in claim 17.

Further, Morrison fails to disclose "wherein the displayed minor channel numbers comprise at least one minor channel number corresponding to a program of a minor channel which is not currently displayed".

Accordingly, it is respectfully submitted that the combination of Vancelette and Morrison does not teach or suggest the invention as recited in claim 17.

Claim 27 recites "wherein the changing the current channel comprises changing outside of an EPG environment."

Morrison discloses "[a]n Electronic Program Guide (EPG) system is disclosed which accommodates a mix of high definition television (HDTV) and standard definition television (SDTV) EPG display formats. Viewers can toggle from cell to cell of an EPG display using a navigation system such as a remote control highlighting programs of interest." (see abstract of Morrison).

As noted above, Morrison discloses an EPG system which is different from the features as recited in claim 27.

As such, it is respectfully submitted that the combination of Vancelette and Morrison does not teach or suggest the invention as recited in claim 27.

In addition, claims 28 and 29 are also patentable due at least their depending from claim 1, as well as for the additional recitations therein.

Claims 4-6 are rejected under 35 U.S.C. § 103(a) as being unpatentable over Vancelette and Morrison, further in view of Etheredge (U.S. Patent No. 6,172,674).

Claims 4-6 are patentable due at least to their depending from claim 1, as well as for the additional recitations therein.

CONCLUSIONS:

There being no further outstanding objections or rejections, it is submitted that the application is in condition for allowance. An early action to that effect is courteously solicited.

Finally, if there are any formal matters remaining after this response, the Examiner is requested to telephone the undersigned to attend to these matters.

If there are any additional fees associated with filing of this Amendment, please charge the same to our Deposit Account No. 19-3935.

Respectfully submitted,

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